

KOKAI (Japanese Unexamined Patent Publication) No. 63-20790
Title of the Invention: Floppy disk system

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SPECIFICATION

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1. Title of the Invention

Floppy disk system

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2. Scope of Claim for a Patent

A floppy disk system comprising a floppy disk medium having built therein a ROM readable from outside and storing the information for using the data stored on a magnetic storage surface, and a floppy disk device having built therein an interface circuit for reading the data stored in said ROM under the control of a host system and sending said data to said host system.

3. Detailed Description of the Invention

[Industrial Field of Utilization]

The present invention relates to a floppy disk system mounted in an information processing system or the like.

[Prior Art]

In the conventional floppy disk system of this type, data are stored only on the magnetic storage surface of a floppy disk medium.

[Problem to be Solved by the Invention]

The conventional floppy disk system described above, in which data are stored only on the magnetic storage surface of a floppy disk medium, has the disadvantage that the data stored in a given floppy disk medium can be easily duplicated by reading the data and writing them in another floppy disk medium.

[Means for Solving the Problem]

The floppy disk system according to this invention

comprises a floppy disk medium built therein a ROM readable from outside and storing the information for using the data stored on the magnetic storage surface, and a floppy disk device built therein an interface circuit for reading the data stored in the ROM under the control of a host system and sending the data to the host system.

[Embodiment]

Next, an embodiment of the invention will be explained with reference to the drawing.

Fig. 1 is a block diagram showing one embodiment of a floppy disk system according to the present invention.

This floppy disk system is configured by a floppy disk medium 3 built therein a ROM 30 for storing a key word required for using the data stored on a magnetic storage surface, and a floppy disk device 2 having an interface circuit 20.

The host system 1 controls the interface circuit 20 built in the floppy disk device 2 so that the key word stored in the ROM 30 built in the floppy disk medium 3 is read from the ROM 30, thereby making it possible to use the floppy disk medium 3.

[Effects of the Invention]

As described above, according to this invention, a key word or the like required for using the data stored on the magnetic storage surface of a floppy disk medium is stored in a ROM. By this, it is useless to copy only the data stored on the magnetic storage surface to a floppy disk medium having another ROM storing different data. As a result, the invention has the effect that an illegal copy can be prevented.

1. Brief Description of the Drawing

Fig. 1 is a block diagram showing one embodiment of a floppy disk system according to the present invention

- 1.....Host system
- 2.....Floppy disk device
- 3.....Floppy disk medium

20.....Interface circuit

30.....ROM

(Fig. 1)

1 Host system

2 Floppy disk device

20 Interface circuit

3 Floppy disk medium

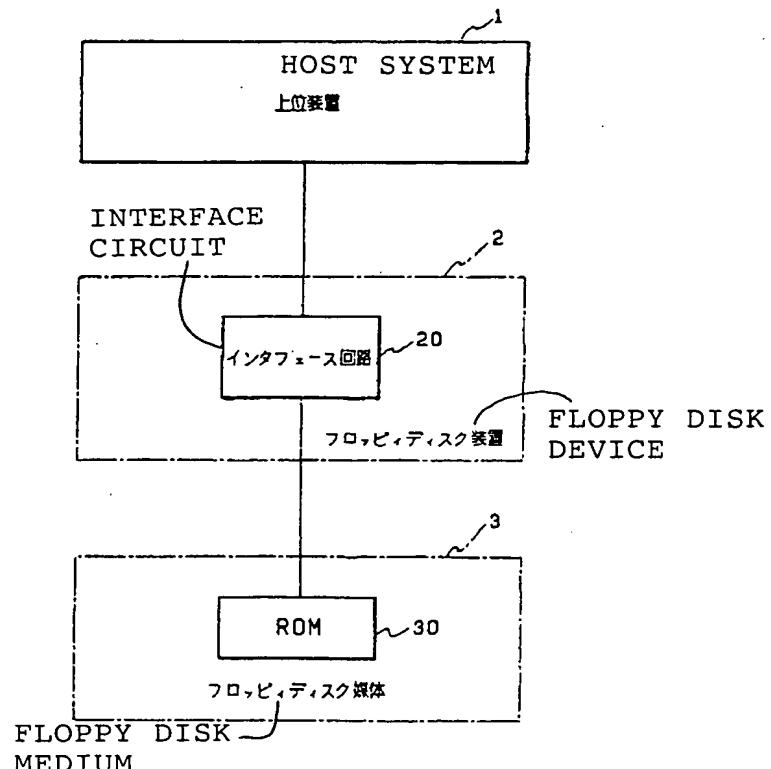
このフロッピディスクシステムは、磁気記憶面に格納されたデータを使用するのに必要なキーワードを記憶しているROM30を内蔵したフロッピディスク媒体3と、インターフェース回路20を有するフロッピディスク装置2から構成されている。

上位装置1は、フロッピディスク装置2に内蔵されたインターフェース回路20を制御することにより、フロッピディスク媒体3に内蔵されたROM30より、ROMに格納されたキーワードを読み出し、フロッピディスク媒体3を使用することができる。

(発明の効果)

以上説明したように本発明は、フロッピディスク媒体の磁気記憶面に格納されたデータを使用するに必要なキーワード等をROMに格納することにより、磁気記憶面に格納されたデータのみを、他のROMに格納されたデータの異なるフロッピディスク媒体に複製しても役に立たない、すなわち不法コピー等を防げる効果がある。

FIG. 1 is a block diagram showing one embodiment of a floppy disk system according to the present invention



第1図
FIG. 1

4. 図面の簡単な説明

第1図は本発明のフロッピディスクシステムの一実施例のブロック図である。

- 1…上位装置.
- 2…フロッピディスク装置.
- 3…フロッピディスク媒体.
- 20…インターフェース回路.
- 30…ROM.

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